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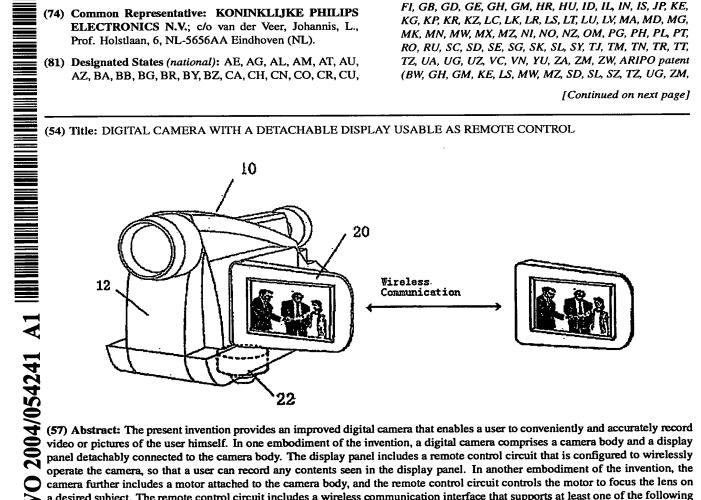
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Declaration under Rule 4.17:

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camera further includes a motor attached to the camera body, and the remote control circuit controls the motor to focus the lens on a desired subject. The remote control circuit includes a wireless communication interface that supports at least one of the following protocols: Bluetooth, Zigbee, IEEE 802.11 and infrared. The invention is applicable to b oth digital video and still cameras.



ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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	ENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.					
х	US 2002/005907 A1 (ALTEN BRETT G) 17 January 2002 (2002-01-17)		1,2,5,6, 8-10,12, 14,15					
Υ	paragraphs '0009!,'0012!,'0020!-'0022!,'0024 '0027!,'0029!-'0031!; figures 1,2	3,4,7, 11,13						
Υ	US 5 729 289 A (ETOH KAZUHIKO) 17 March 1998 (1998-03-17)		7,13					
Α	column 1, line 60 -column 2, line figure 2A column 3, line 1 -column 6, line		1					
Υ	US 2002/140803 A1 (GUTTA SRINIVAS	ET AL)	3,4,11					
Α	3 October 2002 (2002-10-03) abstract paragraphs '0002!,'0007!,'0009!, figure 1	1						
Furt	her documents are listed in the continuation of box C.	X Patent family men	nbers are listed in annex.					
° Special ca	tegories of cited documents :		d (1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					
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int	Application No	
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002005907	A1	17-01-2002	NONE		
US 5729289	A	17-03-1998	JP	8139980 A	31-05-1996
US 2002140803	A1	03-10-2002	CN EP WO	1460358 T 1378117 A1 02080527 A1	03-12-2003 07-01-2004 10-10-2002